

REMARKS

This paper is responsive to any paper(s) indicated above, and is responsive in any other manner indicated below.

CONCURRENT REQUEST FOR CONTINUED EXAMINATION (RCE)

Submitted concurrently herewith is a Request for Continued Examination (RCE) transmittal. In the event that the RCE transmittal is not filed herewith, then this paper should be taken as a request for the filing of an RCE.

THREE (3) MONTH SUSPENSION

The RCE transmittal filed concurrently herewith includes checked box 7a representing a request for a three (3) month suspension (for the purposes of affording time for an examiner interview and/or to afford time for consideration of further amendments and/or arguments). In the event that box 7a of the RCE transmittal is not checked, then this paper should be taken as a request for a three (3) month suspension. The Examiner is thanked in advance, for all such considerations. In the event that this paper and any other presently-filed papers, are sufficient to place the application in condition for allowance, then the Examiner is herein authorized to treat this paragraph as Applicant's permission to withdraw the three (3) month suspension for the purpose of moving the application to allowance.

REQUEST FOR EXAMINER INTERVIEW PRIOR TO FIRST ACTION

An examiner interview prior to first Office Action in this continuing or substitute application is respectfully requested. As stated in MPEP "713.02, "A request for an interview prior to first Office Action is ordinarily granted in continuing or substitute applications." Similarly, as stated in MPEP '706.07(b), "A request for an interview prior to first action on a continuing or substitute application should ordinarily be granted." The Examiner is respectfully requested to contact the attorney indicated on this paper at the local Washington, D.C. area telephone number of 703/312-6600 for the purpose of scheduling an examiner interview. The Examiner is thanked in advance for such considerations. Contact will also be attempted by the undersigned attorneys to schedule an Examiner Interview. In the event that the present papers, in and of themselves, are sufficient to place the application in condition for allowance, no Examiner interview would be necessary.

ABSTRACT OBJECTION - REPLACEMENT ABSTRACT SHEET

The abstract has been objected to because of the Office Action concerns listed within the section numbered "1" on page 2 of the Office Action. As the attached replacement abstract sheet is believed to be of proper form, reconsideration and withdrawal of the objection to the abstract, are respectfully requested. In the event that the present replacement abstract is itself found not to be of proper form, the Examiner is herein authorized to amend to a suitable

replacement abstract. With respect to any past, present or any ultimately implemented Abstract or amendment thereof, Applicant would like to reiterate and embrace the 37 CFR 1.72(b) provisions that "The abstract will not be used for interpreting the scope of the claims."

REPLACEMENT TITLE

The title has been objected to because of the Office Action concerns listed within the section numbered "2" on page 3 of the Office Action, i.e., as not being sufficiently descriptive. As the foregoing replacement title is believed to be sufficiently descriptive of the invention to which the claims are directed, reconsideration and withdrawal of the objection to the title, are respectfully requested. In the event that the present replacement title is itself found not to be sufficiently descriptive, the Examiner is herein authorized to amend to a suitable replacement title. Further, it is noted that MPEP 1302.02 specifically authorizes an examiner to change the title on or after allowance.

PENDING CLAIMS

Claims 1-20 were pending, under consideration and subjected to examination in the Office Action. Appropriate claims have been amended, canceled and/or added (without prejudice or disclaimer) in order to adjust a clarity and/or focus of Applicant's claimed invention. That is, such changes are unrelated to any prior art or scope adjustment and are simply refocused claims in which Applicant is presently interested. At entry of this paper, Claims 2-15, 17

and 20 will be pending for further consideration and examination in the application.

REJECTIONS UNDER 35 USC '102

All 35 USC '102 rejections are respectfully traversed. However, such rejections have been rendered obsolete by the present clarifying amendments to Applicant's claims, and accordingly, traversal arguments are not appropriate at this time. However, Applicant respectfully submits the following to preclude renewal of any such rejections against Applicant's clarified claims. That is, insofar as any such rejection applies to Applicant's presently-clarified claims, Applicant respectfully submits the following.

All descriptions of Applicant's disclosed and claimed invention, and all descriptions and rebuttal arguments regarding the applied prior art, as previously submitted by Applicant in any form, are repeated and incorporated hereat by reference. Further, all Office Action statements regarding the prior art rejections are respectfully traversed. As additional arguments, Applicant respectfully submits the following.

In order to properly support a '102 anticipatory-type rejection, any applied art reference must disclose each and every limitation of any rejected claim. The applied art does not adequately support a '102 anticipatory-type rejection because, at minimum, such applied art does not disclose (or suggest) the following discussed limitations of Applicant's claims.

More particularly, Applicant's disclosed and claimed invention is directed toward arrangements which attempt to avoid erroneous activation of global functions of conflicting software application programs. That is, often global commands of differing software application programs will each include the same global voice commands. For example, Applicant's

FIG. 4 (reproduced herewith) shows global commands within a "Command" column of a table. **FIG. 4** illustrates, as one example, a global "HELP" command being used within two

FIG. 4

ID	COMMAND	CORRESPONDING APPLICATION ID	STATE	VALID/INVALID
1	HELP	1	INTERACTING	VALID
2	HELP	3	INTERACTING	INVALID
3	TOP MENU	0	INSTALLED : ACTIVATED : INTERACTING	VALID
4	SEARCH SURROUNDING INFORMATION	2,5	ACTIVATED	VALID

differing applications "1" and "3". Unless special precautions are taken (such as with Applicant's claimed invention), the speech recognition of such global command (e.g., "HELP") might invoke actions from two different software applications (e.g., "1" and "3"). Applicant's invention sets global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to. For example,

Applicant's **FIG. 4** "State" column indicates the operation states (e.g., **Installed, Activated or Interacting**) that each global command (e.g., **Help, Top Menu**) is recognizable. In looking at **FIG. 4**'s row 1, as an example, if the program "1" (designated within the **Corresponding Application ID** column) is a currently-interacting program, then program "1"'s **Help** global command would be currently recognizable (indicated by the **Valid** designation within **FIG. 4**'s **Valid/Invalid** column). In contrast, looking at **FIG. 4**'s row 2, as another example, if the

program “3” (designated within the **Corresponding Application ID** column) is not a currently-interacting program, then program “3”’s **Help** global command would not be currently recognizable (indicated by the **Invalid** designation within **FIG. 4’s Valid/Invalid** column).

Regarding distinguishing claim features/limitations, independent claim 1 (taken as an example) recites (in relevant part): “A terminal comprising: ...a **speech recognition engine** for recognizing a speech input via the speech input unit; and a memory for storing a dictionary that has words that the speech recognition engine can recognize; wherein: **each speech interaction application program has a group of words for speech recognition**, with each word designated as either a local command useable as a recognition word only when the user is interacting with the application program, or **a global command settable selectively as a recognition word relative to whether the user both is/isn’t interacting with the application program**, the dictionary has the words which are local commands of a current-interacting application program, and the words which are global commands of the current-interacting application program and a not-current-interacting application program, **the control unit selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition**, **according to operation states of the application program which said each word is tied to**, the **speech recognition engine ... comparing the speech input via the speech input unit with: the words in the dictionary which are a said local command of the current-interacting application program, and the**

words which are a said global command that were set as recognizable by the control unit, ...".

Turning now to rebuttal of the previously-applied art, it is respectfully submitted that **Schmid et al.** would not have disclosed or suggested Applicant's claimed invention. More particularly, while Schmid et al. does (at least partially) pertain to **speech recognition** and does contain one or more "**lexicons**" (assumed as "dictionaries" for a moment, for the present discussions), **Schmid et al.'s lexicons appear to be used for "text-to-speech" (TTS) functions (not Applicant's opposite speech recognition)**. That is, Schmid et al.'s lexicon appears to be mainly (if not entirely) a voice/speech **synthesis** dictionary. See Schmid et al.'s column 10, lines 24-last line, for example. Nowhere does Schmid et al. disclose or suggest any type of arrangement pertaining to a "**control unit [which] selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states of the application program which said each word is tied to**".

Turning next to rebuttal of **Hirayama et al.**, it is likewise respectfully submitted that Hirayama et al. would not have disclosed or suggested Applicant's claimed invention. More particularly, it is respectfully noted that the present Applicant's disclosed and claimed invention operates per "a **plurality** of speech interaction application programs" and "**selectively sets each word of global commands in the dictionary as recognizable or unrecognizable within a recognition process of speech recognition, according to operation states**

of the application program which said each word is tied to". In contrast, Hirayama et al.'s arrangement appears to pertain to only a single speech recognition program being run within a navigation apparatus. At best, Hirayama et al. **sets phrases valid/invalid according to a current menu screen** (not differing programs).

As a result of all of the foregoing, it is respectfully submitted that the applied art would not support a '102 anticipatory-type rejection of Applicant's claims. Accordingly, reconsideration and withdrawal of such '102 rejection, and express written allowance of all of the '102 rejected claims, are respectfully requested.

EXAMINER INVITED TO TELEPHONE

The Examiner is herein invited to telephone the undersigned attorneys at the local Washington, D.C. area telephone number of 703/312-6600 for discussing any Examiner's Amendments or other suggested actions for accelerating prosecution and moving the present application to allowance.

RESERVATION OF RIGHTS

It is respectfully submitted that any and all claim amendments and/or cancellations submitted within this paper and throughout prosecution of the present application are without prejudice or disclaimer. That is, any above statements, or any present amendment or cancellation of claims (all made without prejudice or disclaimer), should not be taken as an indication or

admission that any objection/rejection was valid, or as a disclaimer of any scope or subject matter. Applicant respectfully reserves all rights to file subsequent related application(s) (including reissue applications) directed to any/all previously claimed limitations/features which have been subsequently amended or cancelled, or to any/all limitations/features not yet claimed, i.e., Applicant continues (indefinitely) to maintain no intention or desire to dedicate or surrender any limitations/features of subject matter of the present application to the public.

CONCLUSION

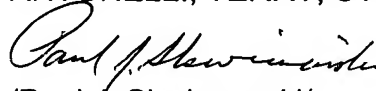
In view of the foregoing amendments and remarks, Applicant respectfully submits that the claims listed above as presently being under consideration in the application are now in condition for allowance.

To the extent necessary, Applicant petitions for an extension of time under 37 CFR '1.136. Authorization is herein given to charge any shortage in the fees, including extension of time fees and excess claim fees, to Deposit Account No. 01-2135 (Case No. 501.43439X00) and please credit any excess fees to such deposit account.

Based upon all of the foregoing, allowance of all presently-pending claims
is respectfully requested.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "Paul J. Skwierawski".

/Paul J. Skwierawski/
Paul J. Skwierawski
Registration No. 32,173

PJS/slk
(703) 312-6600

ABSTRACT

~~Arrangement including terminal and method for providing a plurality of speech interaction applications.~~ Arrangements, including a method of speech command management that changes a content of active speech commands and inactive speech commands, based on each application status in a terminal. When plural applications are active and when a user is interacting with one of the active applications, the provided speech command management makes the content of recognizable speech commands to be limited to local commands of an interacting application, and also global commands of other background applications. Also, the provided management arrangement makes the content of recognizable global speech commands based on each application status. This management arrangement reduces the number of recognizable speech commands, and thus prevents misrecognitions inducted by using many speech commands.